

**PUBLIC NOTICE**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)**  
**BASF CORPORATION – GEISMAR SITE**  
**ACETYLENE PLANT**  
**PROPOSED PART 70 AIR OPERATING PERMIT MINOR MODIFICATION**

The LDEQ, Office of Environmental Services, is accepting written comments on a proposed Part 70 air operating permit minor modification for BASF Corporation - Geismar Site, P.O. Box 457, Geismar, Louisiana 70734 for the Acetylene Plant. **The facility is located at 8404 River Road (Highway 75), Geismar, Ascension Parish.**

**This Notice is being published under LAC 33:III.5107.D public notice requirements only. This proposed permit does not require review by EPA.**

BASF Corporation (BASF) operates a chemical manufacturing complex in Geismar, Ascension Parish, Louisiana (the Geismar Site). This proposed permit addresses the permitting requirements for the Acetylene Plant which currently operates under Part 70 Air Permit No. 2526-V2 issued on June 19, 2006.

In this proposed Part 70 air operating permit modification for the Acetylene Plant, BASF Corporation requested to increase the production capacity of the Acetylene Plant from 120 million pounds per year to 126 million pounds per year by operating at increased feed rates. The proposed production increase does not result from equipment modifications or from operational changes and will result in VOC emissions increases, without regard to project decreases, of less than 25 tons per year, the VOC significance level. In addition, the proposed CO emissions increase is due to reconciliation issues; the proposed SO<sub>2</sub> emissions increase is below its significance level. Therefore, Non-attainment New Source Review (NNSR) and Prevention of Significant Deterioration (PSD) requirements do not apply.

Pursuant to LAC 33:III.5107.D, a public comment period of thirty (30) days is required for this permit because this permit authorizes an increase in benzene emissions, a Class 1 Louisiana TAP, and an increase in chloroform emissions, a Class II Louisiana TAP, by an amount greater than its minimum emission rate (MER) as published in Table 51.1 of LAC 33:III.5112.

In addition to the proposed Acetylene Plant production increase, BASF proposes the following changes to its current Part 70 permit:

1. To reconcile the emissions from several emission sources based on updated emission factors, better operations data, and/or recent modeling data: Emission Point Number (EPN) ACECAP01 (Acetylene Plant Emission Cap), EPNs 10-97 through 15-97 (Preheaters H080 A through F), EPNs 16-97 and 17-97 (Cracked Gas Flare FS199A and B), EPN 18-97 (Synthesis Gas Flare FS399), EPN 19-97 (Acetylene Gas Flare FS499), and EPN 21-97 (Acetylene Plant Cooling Tower);
2. To add emissions of benzene and 1,3-butadiene to EPNS 10-97 through 15-97 (Preheaters H080 A through F),
3. To route C200A/B seal gas emissions to EPNs 10-97 through 15-97 (Preheaters H080 A through F);
4. To increase the maximum hourly NO<sub>x</sub> emission rates for EPNs 10-97 through 15-97 (Preheaters H080 A through F) during preheater startups. Annual permitted NO<sub>x</sub> emissions will not change;
5. To remove emissions of vinyl acetate from EPN 24-97 (Acetylene Plant Fugitives) and add emissions of vinyl acetylene which is not a toxic or hazardous air pollutant;
6. To revise Specific Requirement 187 in Permit No. 2526-V2 (re: fuel feed and oxygen content monitoring and recordkeeping) to allow for temporary operation outside of the required operating parameters during

preheater startups provided that all monitoring requirements are complied with during the startups and that operation of the preheaters within the required operating parameters shall be attained as quickly as possible.

Also, the following changes were made by the Louisiana Department of Environmental Quality (LDEQ) to incorporate recent state regulatory changes and TEMPO format changes:

1. Recordkeeping requirements from LAC 33:III.Chapter 15 (Emission Standards for Sulfur Dioxide) were removed from EPNs 10-97 through 15-97 (Preheaters H080A through F) and from EPNs 16-97 through 19-97 (Flares) due to non-applicability.
2. The Agency Interest Group (AI2049) was replaced with a Unit Group (UNF0005) due to recent TEMPO format changes. All regulatory requirements previously listed under AI2049 were removed and incorporated into UNF0005, with the exception of facility-wide requirements from LAC 33:III.Chapter 51 which were updated due to regulatory changes.

Estimated emissions in tons per year for the Acetylene Plant are as follows:

Pollutant	Before	After	Change
PM <sub>10</sub>	9.60	9.04	- 0.56
SO <sub>2</sub>	0.58	0.64	+ 0.06
NO <sub>x</sub>	36.30	36.30	0.00
CO	34.90	113.01	+ 78.11 <sup>1</sup>
VOC*	7.42	20.55	+ 13.13

<sup>1</sup> CO emissions increase is due to reconciliation issues only. CO emissions are based on US EPA AP-42 emission factors and the heat content of the stream. "Before" CO emissions were based on an estimated average stream heat content value. "After" CO emissions are primarily based on the stream with the highest heat content. The US EPA AP-42 emission factor remains constant. There are no physical changes or changes in the method of operation associated with this emissions increase. Therefore, the periodic monitoring under LAC 33:III.507.H.1.a or PSD requirements do not apply.

\* VOC LAC 33:III: Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Benzene	0.10	0.45	+ 0.35
1,3-Butadiene	0.02	0.03	+ 0.01
Chloroform	0.00	0.31	+ 0.31
Formaldehyde	0.01	0.06	+ 0.05
n-Hexane	0.01	1.74	+ 1.73
<b>Total</b>	<b>0.14</b>	<b>2.59</b>	<b>+ 2.45</b>

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Wednesday, July 2, 2008.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit application, proposed Part 70 air operating permit, and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5<sup>th</sup> Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at [www.deq.louisiana.gov](http://www.deq.louisiana.gov).**

Additional copies may be reviewed at the Ascension Parish Library - Gonzales Branch, 708 S. Irma Blvd., Gonzales, LA and the Iberville Parish Library - East Iberville Branch, 5715 Monticello Street, St. Gabriel, LA.

Inquiries or requests for additional information regarding this permit action should be directed to Kyle A. Prestenbach, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3132.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at [deqmailistrequest@la.gov](mailto:deqmailistrequest@la.gov) or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

**Permit public notices including electronic access to the proposed permit and statement of basis** can be viewed at the LDEQ permits public notice webpage at [www.deq.louisiana.gov/apps/pubNotice/default.asp](http://www.deq.louisiana.gov/apps/pubNotice/default.asp) and general information related to the public participation in permitting activities can be viewed at [www.deq.louisiana.gov/portal/tabid/2198/Default.aspx](http://www.deq.louisiana.gov/portal/tabid/2198/Default.aspx).

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at [http://www.doa.louisiana.gov/oes/listservpage/ldeq\\_pn\\_listserv.htm](http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm).

**All correspondence should specify AI Number 2049, Permit Number 2526-V3, and Activity Number PER20080002.**

**Publication date: May 30, 2008**

BOBBY JINDAL  
GOVERNOR



HAROLD LEGGETT, PH.D.  
SECRETARY

**State of Louisiana**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**ENVIRONMENTAL SERVICES**

Certified Mail No.

Activity No.: PER20080002  
Agency Interest No. 2049

Mr. Mike Cohen  
Senior Vice President & General Manager  
BASF Corporation  
P.O. Box 457  
Geismar, LA 70734-0457

RE: Part 70 Operating Permit; Acetylene Plant; BASF Corporation - Geismar Site; Geismar;  
Ascension Parish; Louisiana

Dear Mr. Cohen:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 28th of April, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

Permit No.: 2526-V3

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary  
CSN: kap

c: EPA Region VI

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Acetylene Plant  
Agency Interest No.: 2049  
BASF Corporation - Geismar Site  
Geismar, Ascension Parish, Louisiana**

**I. Background**

BASF Corporation (BASF) operates an integrated chemical manufacturing facility on the east bank of the Mississippi River, near Geismar, Louisiana (the Geismar Site). Permit Number 0180-00013-01, dated May 26, 1990, consolidated most existing emission points at the site. Permits for individual production units were also issued. The Acetylene Plant commenced operation on December 1, 1999. A significant operating permit modification, Permit No. 2526-V1, was issued on October 2, 2000 to create a mass emission limit for nitrogen oxides (NO<sub>x</sub>) from the entire Acetylene Plant. A renewal application for Permit No. 2526-V1 was submitted in April 2005, with updates to the renewal application submitted in November 2005. The resulting renewal permit, Permit No. 2526-V2, was issued on April 28, 2006, with subsequent administrative amendments approved on June 19, 2006. The Acetylene Plant currently operates under Part 70 Permit No. 2526-V2 issued on June 19, 2006.

This is a Part 70 operating permit minor modification for the Acetylene Plant.

**II. Origin**

A permit application and Emission Inventory Questionnaire (EIQ) were submitted by BASF Corporation on December 27, 2007 requesting a minor modification to its current Part 70 operating permit. Additional information dated February 26, 2008 and May 14, 2008 was also received.

**III. Description**

The BASF - Geismar Site manufactures acetylene, amine compounds, nitrobenzene, aniline, ethylene oxide, ethylene glycol, glyoxal, 1,4-butanediol, n-methyl pyrrolidone, toluene diisocyanate, tetrahydrofuran, polytetrahydrofuran, vinylpyrrolidone, polyvinylpyrrolidone, polyols, surfactants, butyrolactone, and methylene bis-phenylisocyanate.

The Acetylene Plant is designed to produce 126 million pounds per year of acetylene. Natural gas is reformed (cracked) to produce acetylene-rich syngas. Acetylene is recovered by a solvent absorption/desorption process. The syngas residue is sent off-site for hydrogen and carbon monoxide recovery.

Vents from the towers, analyzers, and drums are controlled by flares or preheaters. Low NO<sub>x</sub> burners are used to control nitrogen oxides emissions from the preheaters. Fugitive emissions are minimized by a leak detection and repair (LDAR) program that complies with New Source Performance Standards (NSPS) 40 CFR 60 Subpart VV. The emissions cap

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(Emission Point No. (EPN) ACECAP01) covers the Acetylene Plant's combustion sources comprised of six preheaters and four flares.

**Proposed Permit**

In this Part 70 permit modification, BASF proposes to increase the production of acetylene from 120 million pounds per year to 126 million pounds per year by operating at increased feed rates. The proposed production increase does not result from equipment modifications or from operational changes and will result in VOC emissions increases, without regard to project decreases, of less than 25 tons per year, the VOC significance level. In addition, the proposed CO emissions increase is due to reconciliation issues; the proposed SO<sub>2</sub> emissions increase is below its respective significance level. Therefore, Non-attainment New Source Review (NNSR) and Prevention of Significant Deterioration (PSD) requirements do not apply.

In addition to the proposed Acetylene Plant production increase, BASF proposes the following changes to its current Part 70 permit:

1. To reconcile the emissions from EPN ACECAP01 (Acetylene Plant Emission Cap);
2. To reconcile the emissions from EPNs 10-97 through 15-97 (Preheaters H080A through F);
3. To add emissions of benzene and 1,3-butadiene to EPNs 10-97 through 15-97 (Preheaters H080A through F);
4. To reconcile the emissions from EPN 16-97 (Cracked Gas Flare FS199A);
5. To reconcile the emissions from EPN 17-97 (Cracked Gas Flare FS199B);
6. To reconcile the emissions from EPN 18-97 (Synthesis Gas Flare FS399);
7. To reconcile the emissions from EPN 19-97 (Acetylene Gas Flare FS499);
8. To route C200A/B seal gas emissions to EPNs 10-97 through 15-97 (Preheaters H080 A through F);
9. To allow for an increase in the maximum hourly NOx emission rates for EPNs 10-97 through 15-97 (Preheaters H080 A through F) during preheater startups. Annual permitted NOx emissions will not change;
10. To reconcile the emissions from EPN 21-97 (Acetylene Plant Cooling Tower);
11. To remove emissions of vinyl acetate from EPN 24-97 (Acetylene Plant Fugitives) and add emissions of vinyl acetylene (which is not a regulated air pollutant);
12. To revise Specific Requirement 187 in Permit No. 2526-V2 (re: fuel feed and oxygen content monitoring and recordkeeping) to allow for temporary operation outside of the required operating parameters during preheater startups provided that all monitoring requirements are complied with during the startups and that operation of the preheaters within the required operating parameters shall be attained as quickly as possible; and
13. To update the Insignificant Activities list.

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Also, the following changes were made by the Louisiana Department of Environmental Quality (LDEQ) to incorporate recent state regulatory changes and TEMPO format changes:

1. Recordkeeping requirements from LAC 33:III.Chapter 15 (Emission Standards for Sulfur Dioxide) were removed from EPNs 10-97 through 15-97 (Preheaters H080A through F) and from EPNs 16-97 through 19-97 (Flares) due to non-applicability.
2. The Agency Interest Group (AI2049) was replaced with a Unit Group (UNF0005) due to recent TEMPO format changes. All regulatory requirements previously listed under AI2049 were removed and incorporated into UNF0005, with the exception of facility-wide requirements from LAC 33:III.Chapter 51 which were updated due to regulatory changes.

Estimated emissions in tons per year for the Acetylene Plant are as follows:

Pollutant	Before	After	Change
PM <sub>10</sub>	9.60	9.04	- 0.56
SO <sub>2</sub>	0.58	0.64	+ 0.06
NO <sub>X</sub>	36.30	36.30	0.00
CO	34.90	113.01	+ 78.11 <sup>1</sup>
VOC*	7.42	20.55	+ 13.13

<sup>1</sup> CO emissions increase is due to reconciliation issues only. CO emissions are based on US EPA AP-42 emission factors and the heat content of the stream. "Before" CO emissions were based on an estimated average stream heat content value. "After" CO emissions are primarily based on the stream with the highest heat content. The US EPA AP-42 emission factor remains constant. There are no physical changes or changes in the method of operation associated with this emissions increase. Therefore, the periodic monitoring under LAC 33:III.507.H.1.a or PSD requirements do not apply.

**\* VOC LAC 33:III: Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
Benzene	0.10	0.45	+ 0.35
1,3-Butadiene <sup>2</sup>	0.02	0.03	+ 0.01
Chloroform	0.00	0.31	+ 0.31
Formaldehyde	0.01	0.06	+ 0.05
n-Hexane	0.01	1.74	+ 1.73
<b>Total</b>	<b>0.14</b>	<b>2.59</b>	<b>+ 2.45</b>

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**Geismar, Ascension Parish, Louisiana**

<b>* VOC LAC 33:III: Chapter 51 Toxic Air Pollutants (TAPs):</b>			
<b>Pollutant</b>	<b>Before</b>	<b>After</b>	<b>Change</b>
<b>* Non-Toxic VOCs</b>			
<b>Pollutant</b>	<b>Before</b>	<b>After</b>	<b>Change</b>
Ethylene <sup>2</sup>	0.02	0.02	0.00

<sup>2</sup> Highly Reactive Volatile Organic Compound (HRVOC)

Other VOC (excluding Ethylene)	7.04	17.94	+ 10.90
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<b>Non-VOC LAC 33:III: Chapter 51 Toxic Air Pollutants (TAPs):</b>			
<b>Pollutant</b>	<b>Before</b>	<b>After</b>	<b>Change</b>
Chlorine	0.12	0.12	0.00

#### **IV. Type of Review**

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) and Non-Attainment New Source Review (NNSR) regulations do not apply.

The BASF – Geismar Site is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. Facility-wide emissions of 1,3-butadiene, benzene, and formaldehyde are emitted in quantities above the Minimum Emission Rate (MER) and are controlled by Maximum Achievable Control Technology (MACT) in accordance with Compliance Plan No. 92067, approved November 1, 1994. N-Hexane is a Class III pollutant; therefore, MACT is not required.

#### **V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title

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V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. Public Notice**

Pursuant to LAC 33:III.5107.D.1, a public comment period of thirty (30) days is required for this permit because this permit authorizes an increase in benzene emissions, a Class 1 Louisiana TAP, and an increase in chloroform emissions, a Class II Louisiana TAP, by an amount greater than its minimum emission rate (MER) as published in Table 51.1 of LAC 33:III.5112.

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, Louisiana on <date>, 2008; and in *The Gonzales Weekly*, Gonzales, Louisiana on <date>, 2008. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. All comments will be considered prior to the final permit decision.

**VII. Effects on Ambient Air**

Dispersion Model(s) Used:    <None>

<b>Pollutant</b>	<b>Time Period</b>	<b>Calculated Maximum Ground Level Concentration</b>	<b>Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})</b>
Emissions were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. The proposed project did not require the applicant to model emissions.			

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**VIII. General Condition XVII Activities**

<b>Work Activity</b>	<b>Schedule</b>	<b>Emission Rates - tons</b>				
		<b>PM<sub>10</sub></b>	<b>SO<sub>2</sub></b>	<b>NO<sub>x</sub></b>	<b>CO</b>	<b>VOC</b>
Emptying and Draining Equipment	Daily					0.35
Startup/shutdown emissions	Monthly	0.1	0.005	0.851	2.84	0.39
Collection of Samples	3376/yr					0.02
<b>Total</b>		<b>0.1</b>	<b>0.005</b>	<b>0.851</b>	<b>2.84</b>	<b>0.76</b>

**IX. Insignificant Activities**

<b>ID No.:</b>	<b>Description</b>	<b>Citation</b>
-	External combustion equipment with a design rate $\geq$ 1 MMBTU/hr but $\leq$ 10 MMBTU/hr, provided that the aggregate emissions from all such units listed as insignificant do not exceed 5 tons per year.	LAC 33:III.501.B.5.A.1
-	Storage tanks < 250 gallons storing organic liquids having a true vapor pressure $\leq$ 3.5 psia, provided that the aggregate emissions from all such organic liquid storage tanks listed as insignificant do not exceed 5 tons per year, do not exceed any Minimum Emission Rate (MER) listed in LAC 33:III.5112, Table 51.1, and do not exceed any hazardous air pollutant de minimis emission rate established pursuant to Section 112(g) of the federal Clean Air Act.	LAC 33:III.501.B.5.A.2

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<b>ID No.:</b>	<b>Description</b>	<b>Citation</b>
-	Storage tanks < 10,000 gallons storing organic liquids having a true vapor pressure < 0.5 psia, provided that the aggregate emissions from all such organic liquid storage tanks listed as insignificant do not exceed 5 tons per year, do not exceed any Minimum Emission Rate (MER) listed in LAC 33:III.5112, Table 51.1, and do not exceed any hazardous air pollutant de minimis emission rate established pursuant to Section 112(g) of the federal Clean Air Act	LAC 33:III.501.B.5.A.3
-	Non-regulated inorganic air pollutant emissions	LAC 33:III.501.B.5.A.4
-	External combustion equipment with a design rate < 1 MMBTU/hr	LAC 33:III.501.B.5.A.5
-	Emissions from laboratory equipment/vents used exclusively for routine chemical or physical analysis	LAC 33:III.501.B.5.A.6
-	Noncommercial water washing operations of empty drums less than or equal to 55 gallons with less than 3% of the maximum container volume of material	LAC 33:III.501.B.5.A.7
-	Portable fuel tanks used on a temporary basis in maintenance and construction activities, provided that the aggregate emissions from all such tanks listed as insignificant do not exceed five tons per year	LAC 33:III.501.B.5.A.8
-	Emissions from process stream and process vent analyzers, provided that the aggregate emissions from all such analyzers do not exceed 5 tons per year, do not exceed any Minimum Emission Rate (MER) listed in LAC 33:III.5112, Table 51.1, and do not exceed any hazardous air pollutant de minimis emission rate established pursuant to Section 112(g) of the federal Clean Air Act	LAC 33:III.501.B.5.A.9

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**Geismar, Ascension Parish, Louisiana**

ID No.:	Description	Citation
-	Storage tanks containing, exclusively, soaps, detergents, surfactants, waxes, glycerin, vegetable oils, greases, animal fats, sweetener, molasses, corn syrup, aqueous salt solutions, or aqueous caustic solutions, provided an organic solvent has not been mixed with such materials, the tanks are not subject to 40 CFR 60 Subpart Kb, or other federal regulation, and the aggregate emissions from all such tanks listed as insignificant do not exceed 5 tons per year, do not exceed any MER listed in LAC 33:III.5112, Table 51.1, and do not exceed any hazardous air pollutant de minimis rate established in accordance with Section 112(g) of the federal Clean Air Act	LAC 33:III.501.B.5.A.10
-	Catalyst charging operations, provided all such operations listed as insignificant do not exceed 5 tons per year, do not exceed any MER listed in LAC 33:III.5112, Table 51.1, and do not exceed any hazardous air pollutant de minimis rate established in accordance with Section 112(g) of the federal Clean Air Act	LAC 33:III.501.B.5.A.11
-	Portable cooling towers used on a temporary basis in maintenance activities	LAC 33:III.501.B.5.A.12
-	Activities which occur strictly for maintenance of grounds or buildings	LAC 33:III.501.B.5.B.1
-	Surface coating of equipment during miscellaneous maintenance and construction activities	LAC 33:III.501.B.5.B.2
-	Miscellaneous equipment maintenance or construction	LAC 33:III.501.B.5.B.3
-	Exhaust emissions or vehicle refueling emissions	LAC 33:III.501.B.5.B.4
-	Office Activities	LAC 33:III.501.B.5.B.5
-	Site assessment work to characterize waste disposal or remediation processes	LAC 33:III.501.B.5.B.6
-	Emissions from storage or use of water-treating chemicals	LAC 33:III.501.B.5.B.8

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<b>ID No.:</b>	<b>Description</b>	<b>Citation</b>
-	Miscellaneous additions or upgrades of instrumentation or control systems	LAC 33:III.501.B.5.B.9
-	Emissions from air contaminant detectors and recorders, combustion controllers, or combustion shutoff devices	LAC 33:III.501.B.5.B.11
-	Buildings, cabinets, and facilities used for storage of chemicals in closed containers	LAC 33:III.501.B.5.B.12
-	Use of products for the purpose of maintaining motor vehicles operated by the facility	LAC 33:III.501.B.5.B.13
-	Stacks or vents to prevent escape of sanitary sewer gases through plumbing traps	LAC 33:III.501.B.5.B.15
-	Emissions from equipment lubricating systems	LAC 33:III.501.B.5.B.16
-	Air conditioning or comfort ventilation systems	LAC 33:III.501.B.5.B.17
-	Instrumentation air systems, excluding fuel-fired compressors	LAC 33:III.501.B.5.B.22
-	Paved parking lots	LAC 33:III.501.B.5.B.23
-	Air vents from air compressors	LAC 33:III.501.B.5.B.24
-	Periodic use of air for cleanup	LAC 33:III.501.B.5.B.25
-	Solid waste dumpsters	LAC 33:III.501.B.5.B.26
-	Emissions from pneumatic starters	LAC 33:III.501.B.5.B.28
-	Emergency use generators, boilers, or other fuel burning equipment	LAC 33:III.501.B.5.B.32
-	Emissions from caustic tanks that contain no VOC	LAC 33:III.501.B.5.B.40
-	Portable diesel fuel storage tanks used on a temporary basis in maintenance and construction activities	LAC 33:III.501.B.5.B.44
-	Emergency electrical power generators used only during power outages at sites not otherwise required to have a permit under LAC 33:III.Chapter 5 and operated no more than 500 hours per year	LAC 33:III.501.B.5.B.45

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Acetylene Plant  
Agency Interest No.: 2049  
BASF Corporation - Geismar Site  
Geismar, Ascension Parish, Louisiana**

ID No.:	Description	Citation
-	BASF has excluded emissions of water vapor, oxygen, carbon dioxide, nitrogen, and hydrogen from the Part 70 Operating Permit Application	LAC 33:III.501.B.5.C

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Acetylene Plant**  
**Agency Interest No.: 2049**  
**BASF Corporation**  
**Geismar, Ascension Parish, Louisiana**

**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III:Chapter																	
		2*	5▲	9	11	13	15	2103	2107	2111	2113	2115	2122	2153	22	51*	53	56	59
UNF0005	Acetylene Plant	1	1	1	1	1						1				1	1	1	1
GRP0046	ACECAP01 Acetylene Plant Emissions Cap																		
EQT0206	10-97 Preheater H080A			1	1	3										2	2		
EQT0207	11-97 Preheater H080B			1	1	3										2	2		
EQT0208	12-97 Preheater H080C			1	1	3										2	2		
EQT0209	13-97 Preheater H080D			1	1	3										2	2		
EQT0210	14-97 Preheater H080E			1	1	3										2	2		
EQT0211	15-97 Preheater H080F			1	1	3										2	2		
EQT0212	16-97 Cracked Gas Flare FS-199A			1	1	3										1			
EQT0213	17-97 Cracked Gas Flare FS-199B			1	1	3										1			
EQT0214	18-97 Synthesis Gas Flare FS-399			1	1	3										1			
EQT0215	19-97 Acetylene Gas Flare FS-499			1	1	3										1			
EQT0216	21-97 Acetylene Cooling Tower															3			
EQT0217	22-97 NMP Tank (D-300)															3			
FUG0013	24-97 Acetylene Plant Fugitives															1		2	3
EQT0629	26-97 D-450 Mixed Condensate Drum															3			
EQT0218	27-97 D-550 Slop Drum															3			
EQT0219	28-97 D-530 Residue Storage Tank															3			

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Acetylene Plant**  
**Agency Interest No.: 2049**  
**BASF Corporation**  
**Geismar, Ascension Parish, Louisiana**

**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III Chapter																	
		2*	5▲	9	11	13	15	2103	2107	2111	2113	2115	2122	2153	22	51*	53	56	59
EQT0630	<b>29-97 D-430 Separator</b>							3											
EQT0631	<b>30-97 D-480 Mixing Condenser Drum</b>							3											
EQT0372	<b>WW-1 Process Wastewater</b>															1**		3	
EQT0373	<b>WW-2 Sooty Process Wastewater</b>															1**		3	
EQT0374	<b>WW-3 Plant Sump Wastewater</b>															1**		3	
EQT0632	<b>10-97(a) Acetylene Plant Analyzer Vents</b>																		
EQT0633	<b>16-97(a) Cracked Gas Operations Vent</b>																		
EQT0634	<b>16-97(b) R-100A/B/C Reactor Trains</b>																		
EQT0635	<b>17-97(a) Cracked Gas Operations Vent</b>																		
EQT0636	<b>17-97(b) R-100D/E/F Reactor Trains</b>																		
EQT0637	<b>18-97(a) Operations Vent – Solvent Absorption</b>																		
EQT0638	<b>19-97(a) Solvent Degassing Operations Vent</b>																		
EQT0639	<b>C200A/B Seal Gas Emissions</b>																		

\* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

\*\* Wastewater streams are hard-piped to the Wastewater Treatment Plant (biological treatment unit) which is permitted under the Utilities Plant Title V operating permit.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

Acetylene Plant  
Agency Interest No.: 2049  
BASF Corporation - Geismar Site  
Geismar, Ascension Parish, Louisiana

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements that apply to this particular emission source.
  - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Acetylene Plant**

Agency Interest No.: 2049

BASF Corporation - Geismar Site

Geismar, Ascension Parish, Louisiana

**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.	Description	NSPS 40 CFR 60										40 CFR 61 NESHAP				40 CFR Parts							
		A	D	Db	Dc	K	Ka	Kb	VV	NNN	RRR	YYY	A	M	FF	A	F	G	H	Q	68	70	82
UNF0005	Acetylene Plant	1											1	1	1						1	1	1
GRP0046	ACECAP01 Acetylene Plant Emissions Cap																						
EQT0206	10-97 Preheater H080A	3	3	3	3	3															3		
EQT0207	11-97 Preheater H080B	3	3	3	3	3															3		
EQT0208	12-97 Preheater H080C	3	3	3	3	3															3		
EQT0209	13-97 Preheater H080D	3	3	3	3	3															3		
EQT0210	14-97 Preheater H080E	3	3	3	3	3															3		
EQT0211	15-97 Preheater H080F	3	3	3	3	3															3		
EQT0212	16-97 Cracked Gas Flare FS-19A	3																			3		
EQT0213	17-97 Cracked Gas Flare FS-19B	3																			3		
EQT0214	18-97 Synthesis Gas Flare FS-399	3																			3		
EQT0215	19-97 Acetylene Gas Flare FS-499	3																			3		
EQT0216	21-97 Acetylene Cooling Tower																						
EQT0217	22-97 NMP Tank (D-300)																						
FUG0013	24-97 Acetylene Plant Fugitives																			1			
EQT0629	26-97 D-450 Mixed Condensate Drum																						
EQT0218	27-97 D-550 Slop Drum																						

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY****Acetylene Plant**

Agency Interest No.: 2049

**BASF Corporation - Geismar Site**  
**Geismar, Ascension Parish, Louisiana**

**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.	Description	NSPS 40 CFR 60						40 CFR 61 NESHAP						40 CFR 63 NESHAP						40 CFR Parts								
		A	D	Db	Dc	K	Ka	Kb	VV	NNN	RRR	YYY	A	M	FF	A	F	G	H	Q	68	70	82					
EQT0219	28-97 D-530 Residue Storage Tank					3	3	3																				
EQT0630	29-97 D-430 Separator					3	3	3																				
EQT0631	30-97 D-480 Mixing Condenser Drum					3	3	3																				
EQT0372	WW-1 Process Wastewater																											
EQT0373	WW-2 Sooty Process Wastewater																											
EQT0374	WW-3 Plant Sump Wastewater																											
EQT0632	10-97(a) Acetylene Plant Analyzer Vents																											
EQT0633	16-97(a) Cracked Gas Operations Vent																											
EQT0634	16-97(b) R-100A/B/C Reactor Trains																											
EQT0635	17-97(a) Cracked Gas Operations Vent																											
EQT0636	17-97(b) R-100D/E/F Reactor Trains																											
EQT0637	18-97(a) Operations Vent – Solvent Absorption																											
EQT0638	19-97(a) Solvent Degassing Operations Vent																											
EQT0639	C200A/B Seal Gas Emissions																											

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

Acetylene Plant  
Agency Interest No.: 2049  
BASF Corporation - Geismar Site  
Geismar, Ascension Parish, Louisiana

**KEY TO MATRIX**

- 1 -The regulations have applicable requirements that apply to this particular emission source.  
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Acetylene Plant**  
**Agency Interest No.: 2049**  
**BASF Corporation - Geismar Site**  
**Geismar, Ascension Parish, Louisiana**

**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
<i>EQT0206 - 211 10.97 thru 15-97 Preheater H080 (A-F)</i>	Chapter 15. Emission Standards for Sulfur Dioxide [LAC 33:III.1501-1513]	<b>DOES NOT APPLY.</b> This Chapter does not apply to single point sources that emit less than 5 tons per year of sulfur dioxide to the atmosphere.
	Chapter 22. Control of Emissions of Nitrogen Oxides (NO <sub>x</sub> ) [LAC 33:III.2201]	<b>EXEMPT.</b> Process heaters with a maximum rated heat input capacity of less than 40 MM BTU/hr in the Baton Rouge Non-attainment Area are exempt from the provisions of this Chapter per LAC 33:III.2201.C.1.
	Emission Control and Reduction Requirements and Standards [LAC 33:III.5109] STATE-ONLY	<b>EXEMPT.</b> The combustion of Group 1 virgin fossil fuels is exempt from the requirements of Subchapter A per LAC 33:III.5105.B.3.a. Site shall comply with AAS requirements for TAPs.
	NSPS Subpart A – General Provisions [40 CFR 60.1 – 19]	<b>DOES NOT APPLY.</b> No other NSPS Subparts apply to preheaters.
	NSPS Subpart D – Fossil-Fuel-Fired Steam Generators [40 CFR 60.40]	<b>DOES NOT APPLY.</b> Each source is not an affected facility per 40 CFR 60.40.a.1.
	NSPS Subpart Db- Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60.40b]	<b>DOES NOT APPLY.</b> Each source is not an affected facility per 40 CFR 60.40b.a. Heat capacity is less than 100 MM BTU/hr.
	NSPS Subpart Dc – Small Industrial Commercial-Institutional Steam Generating Units [40 CFR 60.40c]	<b>DOES NOT APPLY.</b> Each source is not an affected source per 40 CFR 60.41c (definition of steam generating unit).

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Acetylene Plant  
 Agency Interest No.: 2049  
 BASF Corporation - Geismar Site  
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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
<i>EQT0206 - 211</i> <b>10-97 thru 15-97</b> <i>Preheater H080 (A-F)</i> <i>(continued)</i>	NSPS Subpart NNN – SOCMI Distillation Operations [40 CFR 60.660]	<b>DOES NOT APPLY.</b> Operations do not meet the definition listed in 40 CFR 60.661.
<i>EQT212 - 215</i> <b>16-97 thru 19-97</b> <i>Flares</i>	Chapter 15. Emission Standards for Sulfur Dioxide [LAC 33:III.1501-1513]	<b>DOES NOT APPLY.</b> This Chapter does not apply to single point sources that emit less than 5 tons per year of sulfur dioxide to the atmosphere.
	NSPS Subpart A – General Provisions [40 CFR 60.1 – 19]	<b>DOES NOT APPLY.</b> No other NSPS Subparts apply to flares.
	NSPS Subpart NNN – SOCMI Distillation Operations [40 CFR 60.660]	<b>DOES NOT APPLY.</b> Operations do not meet the definition listed in 40 CFR 60.661.
	NSPS Subpart RRR – SOCMI Reactor Operations [40 CFR 60.702]	<b>DOES NOT APPLY.</b> Operations do not meet the definition listed in 40 CFR 60.701.
<i>EQT0216</i> <b>21-97</b> <i>Acetylene Cooling Tower</i>	Emission Control and Reduction Requirements and Standards [LAC 33:III.5109] STATE-ONLY	<b>DOES NOT APPLY.</b> No MACT required for Chlorine (Class III TAP).

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**Acetylene Plant**  
**Agency Interest No: 2049**  
**BASF Corporation - Geismar Site**  
**Geismar, Ascension Parish, Louisiana**

**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
	NESHAP Subpart Q – Industrial Process Cooling Towers [40 CFR 63.1420]	<b>DOES NOT APPLY.</b> No chromium-based water treatment chemicals are used.
<i>EQT017 22-97 NMP Tank (D-300)</i>	Storage of Volatile Organic Compounds [LAC 33:III.2103]	<b>DOES NOT APPLY.</b> Vapor pressure of the stored liquids is <1.5 psia.
<i>EQT017 22-97 NMP Tank (D-300) (continued)</i>	NSPS Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids [40 CFR 60.110]	<b>DOES NOT APPLY.</b> Tanks do not store petroleum liquid.
<i>FUG013 24-97 Acetylene Plant Fugitives</i>	NSPS Subpart Ka – Storage Vessels for Petroleum Liquids [40 CFR 60.110a]  NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b]	<b>DOES NOT APPLY.</b> Tanks do not store petroleum liquid.  <b>DOES NOT APPLY.</b> Storage vessel has capacity > 151 cubic meters (40,000 gallons) and stores a liquid with a vapor pressure < 5.2 kPa (0.75 psia)
	Fugitive Emission Control for Ozone Nonattainment Areas and Specified Parishes [LAC 33:III.2122]	<b>EXEMPT.</b> Acetylene Plant is subject to 40 CFR 60 Subpart VV and is exempt from LAC 33:III.2122, except as specified in LAC 33:III.2122.A.6.(a)-(d). [LAC 33:III.2122.A.6] and [40 CFR 60 Subpart VV]

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
	Louisiana MACT Determination for Non-HON Sources [LAC 33:III.5109]	<b>DOES NOT APPLY.</b> The Acetylene Plant does not have any equipment in VOTAP service (5% Class I & II TAPs).
<i>EQT0218</i> <i>27-97 D-550 Slop Drum</i>	<i>Storage of Volatile Organic Compounds</i> [LAC 33:III.2103]	<b>DOES NOT APPLY.</b> Vapor pressure of the stored liquids is <1.5 psia.
<i>EQT0219</i> <i>28-97 D-530 Residue Storage Tank</i>		<b>DOES NOT APPLY.</b> Tanks do not store petroleum liquid.
<i>EQT0218</i> <i>27-97 D-550 Slop Drum</i>	<i>NSPS Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids</i> [40 CFR 60.110]	<b>DOES NOT APPLY.</b> Tanks do not store petroleum liquid.
<i>EQT0219</i> <i>28-97 D-530 Residue Storage Tank</i> <i>(continued)</i>		<b>DOES NOT APPLY.</b> Tanks do not store petroleum liquid.
	<i>NSPS Subpart Ka – Storage Vessels for Petroleum Liquids</i> [40 CFR 60.110a]	<b>DOES NOT APPLY.</b> Capacity of each tank is less than 19,800 gallons.
	<i>NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels</i> [40 CFR 60.110b]	

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

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**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
<i>EQT0629 26-97 D-450 Mixed Condensate Drum</i>	Storage of Volatile Organic Compounds [LAC 33:III.2103]	<b>DOES NOT APPLY.</b> Vapor pressure of the stored liquids is <1.5 psia.
<i>EQT0630 29-97 D-430 Separator</i>		
<i>EQT0631 30-97 D-480 Mixing Condenser Drum</i>		
<i>EQT0629 26-97 D-450 Mixed Condensate Drum</i>	NSPS Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids [40 CFR 60.110]	<b>DOES NOT APPLY.</b> Tank does not store petroleum liquid.
<i>EQT0630 29-97 D-430 Separator</i>	NSPS Subpart Ka – Storage Vessels for Petroleum Liquids [40 CFR 60.110a]	<b>DOES NOT APPLY.</b> Tank does not store petroleum liquid.
<i>EQT0631 30-97 D-480 Mixing Condenser Drum (continued)</i>	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b.a]	<b>DOES NOT APPLY.</b> Vessel capacity is less than 19,800 gallons. Vapor pressure of material stored is less than 0.5 psia.

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Acetylene Plant  
 Agency Interest No.: 2049  
 BASF Corporation - Geismar Site  
 Geismar, Ascension Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
<i>EQT0372 – 374</i>	Emission Control and Reduction Requirements and Standards [LAC 33:III.5109] STATE-ONLY	<b>DOES NOT APPLY.</b> Wastewater sources do not emit Class I or II TAPs, therefore no MACT is required. Wastewater streams are hard-piped to the Wastewater Treatment Plant (biological treatment unit) which is permitted under the Utilities Plant Title V operating permit
<i>WW-1 Process Wastewater</i>		
<i>WW-2 Sooty Process Wastewater</i>		
<i>WW-3 Plant Sump Wastewater</i>		

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

## 40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
  - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
  - 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];

## 40 CFR PART 70 GENERAL CONDITIONS

3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
  4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.  
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
  2. the date(s) analyses were performed;
  3. the company or entity that performed the analyses;
  4. the analytical techniques or methods used;
  5. the results of such analyses; and
  6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

## 40 CFR PART 70 GENERAL CONDITIONS

- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
  1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
  2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
  3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
  4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
  5. changes in emissions would not qualify as a significant modification; and
  6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).

## 40 CFR PART 70 GENERAL CONDITIONS

1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
    - a. Report by June 30 to cover January through March
    - b. Report by September 30 to cover April through June
    - c. Report by December 31 to cover July through September
    - d. Report by March 31 to cover October through December
  4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
  2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
  3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;

## 40 CFR PART 70 GENERAL CONDITIONS

4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
  5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
  6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
- The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated December 27, 2007, along with supplemental information dated February 26, 2008 and May 14, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.  
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
    1. Report by June 30 to cover January through March
    2. Report by September 30 to cover April through June
    3. Report by December 31 to cover July through September
    4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
  2. Cause of noncompliance;
  3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
  4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
  5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
  - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
  - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
  - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
  - 1. Generally be less than 5 TPY
  - 2. Be less than the minimum emission rate (MER)
  - 3. Be scheduled daily, weekly, monthly, etc., or
  - 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division  
La. Dept. of Environmental Quality  
Post Office Box 4302  
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

**INVENTORIES**

**AI ID: 2049 - BASF Corp - Geismar Site**  
**Activity Number: PER20080002**  
**Permit Number: 2526-V3**  
**Air - Title V Regular Permit Minor Mod**

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>Acetylene Plant</b>						
EQT0206	10-97 - Preheater H080A			157 MM ft <sup>3</sup> /yr		8760 hr/yr (All Year)
EQT0207	11-97 - Preheater H080B			157 MM ft <sup>3</sup> /yr		8760 hr/yr (All Year)
EQT0208	12-97 - Preheater H080C			157 MM ft <sup>3</sup> /yr		8760 hr/yr (All Year)
EQT0209	13-97 - Preheater H080D			157 MM ft <sup>3</sup> /yr		8760 hr/yr (All Year)
EQT0210	14-97 - Preheater H080E			157 MM ft <sup>3</sup> /yr		8760 hr/yr (All Year)
EQT0211	15-97 - Preheater H080F			157 MM ft <sup>3</sup> /yr		8760 hr/yr (All Year)
EQT0212	16-97 - Cracked Gas Flare FS 199A			150000 lb/hr		8760 hr/yr (All Year)
EQT0213	17-97 - Cracked Gas Flare FS 199B			150000 lb/hr		8760 hr/yr (All Year)
EQT0214	18-97 - Synthesis Gas Flare FS 399			112000 lb/hr		8760 hr/yr (All Year)
EQT0215	19-97 - Acetylene Gas Flare FS 499			40400 lb/hr		8760 hr/yr (All Year)
EQT0216	21-97 - Acetylene Cooling Tower			45000 gallons/min		8760 hr/yr (All Year)
EQT0217	22-97 - NMP Tank (D-300)	58800 gallons		212000 gallons/yr	N-Methyl-2-pyrrolidone	8760 hr/yr (All Year)
EQT0218	27-97 - D-550 Slop Drum	11300 gallons		210000 gallons/yr	N-Methyl-2-pyrrolidone	8760 hr/yr (All Year)
EQT0219	28-97 - D-530 Residue Storage Tank	10000 gallons			(None Specified)	(None Specified)
EQT0372	WW-1 - Process Wastewater				(None Specified)	(None Specified)
EQT0373	WW-2 - Sooty Process Wastewater				(None Specified)	(None Specified)
EQT0374	WW-3 - Plant Sump Wastewater				(None Specified)	(None Specified)
EQT0629	26-97 - D-450 Mixed Condensate Drum				(None Specified)	(None Specified)
EQT0630	29-97 - D-430 Separator				(None Specified)	(None Specified)
EQT0631	30-97 - D-480 Mixing Condenser Drum				(None Specified)	(None Specified)
EQT0632	10-97(a) - Acetylene Plant Analyzer Vents				(None Specified)	(None Specified)
EQT0633	16-97(a) - Cracked Gas Operations Vent				(None Specified)	(None Specified)
EQT0634	16-97(b) - R-100A/B/C Reactor Trains				(None Specified)	(None Specified)
EQT0635	17-97(a) - Cracked Gas Operations Vent				(None Specified)	(None Specified)
EQT0636	17-97(b) - R-100D/E/F Reactor Trains				(None Specified)	(None Specified)
EQT0637	18-97(a) - Operations Vent - Solvent Absorption				(None Specified)	(None Specified)
EQT0638	19-97(a) - Solvent Degassing Operations Vent				(None Specified)	(None Specified)
EQT0639	C200A/B - Seal Gas Emissions				(None Specified)	(None Specified)
EQT0645	-					
FUG0013	24-97 - Acetylene Plant Fugitives					
<b>Stack Information:</b>						
ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)
<b>Acetylene Plant</b>						
EQT0206	10-97 - Preheater H080A	12.1	12900	4.75	158	415
EQT0207	11-97 - Preheater H080B	12.1	12900	4.75	158	415
EQT0208	12-97 - Preheater H080C	12.1	12900	4.75	158	415
EQT0209	13-97 - Preheater H080D	12.1	12900	4.75	158	415

**INVENTORIES**

AI ID: 2049 - BASF Corp - Geismar Site  
 Activity Number: PER20080002  
 Permit Number: 2526-V3  
 Air - Title V Regular Permit Minor Mod

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
<b>Acetylene Plant</b>							
EQT0210	14-97 - Preheater H080E	12.1	12900	4.75		158	415
EQT0211	15-97 - Preheater H080F	12.1	12900	4.75		158	415
EQT0212	16-97 - Cracked Gas Flare FS 199A	17.9	134788	4		197	1200
EQT0213	17-97 - Cracked Gas Flare FS 199B	17.9	134788	4		197	1200
EQT0214	18-97 - Synthesis Gas Flare FS 399	182	173983	4.5		249	1200
EQT0215	19-97 - Acetylene Gas Flare FS 499	1944	63113	.83		216	1200
EQT0216	21-97 - Acetylene Cooling Tower	49			1357	46	104
EQT0217	22-97 - NMP Tank (D-300)					25	

**Relationships:**

ID	Description	Relationship	ID	Description
EQT0629	26-97 D-450 Mixed Condensate Drum	Vents to	EQT0215	19-97 Acetylene Gas Flare FS 499
EQT0630	29-97 D-430 Separator	Vents to	EQT0215	19-97 Acetylene Gas Flare FS 499
EQT0631	30-97 D-480 Mixing Condenser Drum	Vents to	EQT0215	19-97 Acetylene Gas Flare FS 499
EQT0632	10-97(a) Acetylene Plant Analyzer Vents	Vents to	EQT0206	10-97 Preheater H080A
EQT0632	10-97(a) Acetylene Plant Analyzer Vents	Vents to	EQT0207	11-97 Preheater H080B
EQT0632	10-97(a) Acetylene Plant Analyzer Vents	Vents to	EQT0208	12-97 Preheater H080C
EQT0632	10-97(a) Acetylene Plant Analyzer Vents	Vents to	EQT0209	13-97 Preheater H080D
EQT0632	10-97(a) Acetylene Plant Analyzer Vents	Vents to	EQT0210	14-97 Preheater H080E
EQT0632	10-97(a) Acetylene Plant Analyzer Vents	Vents to	EQT0211	15-97 Preheater H080F
EQT0633	16-97(a) Cracked Gas Operations Vent	Vents to	EQT0212	16-97 Cracked Gas Flare FS 199A
EQT0634	16-97(b) R-100A/B/C Reactor Trains	Vents to	EQT0212	16-97 Cracked Gas Flare FS 199A
EQT0635	17-97(a) Cracked Gas Operations Vent	Vents to	EQT0213	17-97 Cracked Gas Flare FS 199B
EQT0636	17-97(b) R-100D/E/F Reactor Trains	Vents to	EQT0213	17-97 Cracked Gas Flare FS 199B
EQT0637	18-97(a) Operations Vent - Solvent Absorption	Vents to	EQT0214	18-97 Synthesis Gas Flare FS 399
EQT0638	19-97(a) Solvent Degassing Operations Vent	Vents to	EQT0215	19-97 Acetylene Gas Flare FS 499
EQT0639	C200A/B Seal Gas Emissions	Vents to	EQT0206	10-97 Preheater H080A
EQT0639	C200A/B Seal Gas Emissions	Vents to	EQT0207	11-97 Preheater H080B
EQT0639	C200A/B Seal Gas Emissions	Vents to	EQT0208	12-97 Preheater H080C
EQT0639	C200A/B Seal Gas Emissions	Vents to	EQT0209	13-97 Preheater H080D
EQT0639	C200A/B Seal Gas Emissions	Vents to	EQT0210	14-97 Preheater H080E
EQT0639	C200A/B Seal Gas Emissions	Vents to	EQT0211	15-97 Preheater H080F

**INVENTORIES**

AI ID: 2049 - BASF Corp - Geismar Site  
 Activity Number: PER20080002  
 Permit Number: 2526-V3  
 Air - Title V Regular Permit Minor Mod

**Subject Item Groups:**

ID	Group Type	Group Description
GRP0046	Equipment Group	ACECAP01 - Acetylene Plant Emissions Cap
UNF0005	Unit or Facility Wide	UNF0005 - Acetylene Plant

**Group Membership:**

ID	Description	Member of Groups
EQT0206	10-97 - Preheater H080A	GRP00000000046
EQT0207	11-97 - Preheater H080B	GRP00000000046
EQT0208	12-97 - Preheater H080C	GRP00000000046
EQT0209	13-97 - Preheater H080D	GRP00000000046
EQT0210	14-97 - Preheater H080E	GRP00000000046
EQT0211	15-97 - Preheater H080F	GRP00000000046
EQT0212	16-97 - Cracked Gas Flare FS 199A	GRP00000000046
EQT0213	17-97 - Cracked Gas Flare FS 199B	GRP00000000046
EQT0214	18-97 - Synthesis Gas Flare FS 399	GRP00000000046
EQT0215	19-97 - Acetylene Gas Flare FS 499	GRP00000000046

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

**Annual Maintenance Fee:**

Fee Number	Air Contaminant Source	Multipier	Units Of Measure
0440	Industrial Gases		

**SIC Codes:**

2813	Industrial gases	AI2049
2869	Industrial organic chemicals, nec	UNF005

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 2049 - BASF Corp - Geismar Site

Activity Number: PER20080002

Permit Number: 2526-V3

Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>Acetylene Plant</b>															
EQT 0206 10-97	1.65			1.5			0.25			0.02			0.29		
EQT 0207 11-97	1.65			1.5			0.25			0.02			0.29		
EQT 0208 12-97	1.65			1.5			0.25			0.02			0.29		
EQT 0209 13-97	1.65			1.5			0.25			0.02			0.29		
EQT 0210 14-97	1.65			1.5			0.25			0.02			0.29		
EQT 0211 15-97	1.65			1.5			0.25			0.02			0.29		
EQT 0212 16-97	360.11			66.18			7.40			0.58			50.61		
EQT 0213 17-97	360.11			66.18			7.40			0.58			50.61		
EQT 0214 18-97	177.73			83.68			3.65			0.06			24.98		
EQT 0215 19-97	205.40			38.28			4.22			0.05			28.87		
EQT 0216 21-97							0.23	0.45	1.0				0.07	0.14	0.31
EQT 0217 22-97													0.01	0.01	0.05
EQT 0218 27-97													0.01	0.01	0.05
EQT 0219 28-97													0.01	0.01	0.05
FUG 0013 24-97													0.59	0.59	2.57
GRP 0046 ACCECAR01	25.80			113.01	8.30		36.30	1.84		8.04	0.15		0.64	4.00	17.52

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2049 - BASF Corp - Geismar Site

Activity Number: PER20080002

Permit Number: 2526-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0206 10-97	1,3-Butadiene		0.001	
	Benzene		0.01	
	Formaldehyde		0.002	
	n-Hexane		0.07	
EQT 0207 11-97	1,3-Butadiene		0.001	
	Benzene		0.01	
	Formaldehyde		0.002	
	n-Hexane		0.07	
EQT 0208 12-97	1,3-Butadiene		0.001	
	Benzene		0.01	
	Formaldehyde		0.002	
	n-Hexane		0.07	
EQT 0209 13-97	1,3-Butadiene		0.001	
	Benzene		0.01	
	Formaldehyde		0.002	
	n-Hexane		0.07	
EQT 0210 14-97	1,3-Butadiene		0.001	
	Benzene		0.01	
	Formaldehyde		0.002	
	n-Hexane		0.07	
EOT 0211 15-97	1,3-Butadiene		0.001	
	Benzene		0.01	
	Formaldehyde		0.002	
	n-Hexane		0.07	
EQT 0212 16-97	1,3-Butadiene		0.14	
	Benzene		0.54	
	Formaldehyde		0.001	
	n-Hexane		0.001	
EQT 0213 17-97	1,3-Butadiene		0.14	
	Benzene		0.54	
	Formaldehyde		0.001	
	n-Hexane		0.001	
EQT 0214 18-97	1,3-Butadiene		0.28	
	Benzene		1.08	

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2049 - BASF Corp - Geismar Site

Activity Number: PER20080002

Permit Number: 2526-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0214 18-97	Formaldehyde		0.001	
	n-Hexane		0.001	
EQT 0215 19-97	1,3-Butadiene		0.34	
	Benzene		2.27	
	Formaldehyde		0.001	
	n-Hexane		0.001	
EQT 0216 21-97	Chlorine	0.03	0.05	0.12
	Chloroform	0.07	0.14	0.31
FUG 0013 24-97	1,3-Butadiene	0.001	0.001	0.01
	Benzene	0.02	0.02	0.07
	Ethylene	0.005	0.005	0.02
GRP 0046 ACECAP01	1,3-Butadiene	0.004		0.02
	Benzene	0.09		0.38
	Formaldehyde	0.01		0.06
	n-Hexane	0.40		1.74
UNF 0005 UNF0005	1,3-Butadiene			0.03
	Benzene			0.45
	Chlorine			0.12
	Chloroform			0.31
	Ethylene			0.02
	Formaldehyde			0.06
	n-Hexane			1.74

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

**SPECIFIC REQUIREMENTS**

AI ID: 2049 - BASF Corp - Gelsmar Site  
**Activity Number:** PER20080002  
**Permit Number:** 2526-V3  
**Air - Title V Regular Permit Minor Mod**

**EQT0206 10-97 Preheater H080A**

- 1 [LAC 33.III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 2 [LAC 33.III.1311.C] Which Months: All Year Statistical Basis: Six-minute average  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified

- 3 [LAC 33.III.1313.C] Nitrogen oxides: During preheater startups, the permitted emission limit for NOx is 3.0 max lb/hr. Permittee shall monitor the natural gas feed rate and oxygen concentration and record the duration and calculated emissions rate during these episodes.  
 The combustion of Group 1 virgin fossil fuels is exempt from the requirements of LAC 33.III.Chapter 51, Subchapter A per LAC 33.III.5105.B.3.a.
- 4 [LAC 33.III.501.C.6]
- 5 [LAC 33.III.5105.B.3.a]

**EQT0207 11-97 Preheater H080B**

- 6 [LAC 33.III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 7 [LAC 33.III.1311.C] Which Months: All Year Statistical Basis: Six-minute average  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified
- 8 [LAC 33.III.1313.C] Nitrogen oxides: During preheater startups, the permitted emission limit for NOx is 3.0 max lb/hr. Permittee shall monitor the natural gas feed rate and oxygen concentration and record the duration and calculated emissions rate during these episodes.  
 The combustion of Group 1 virgin fossil fuels is exempt from the requirements of LAC 33.III.Chapter 51, Subchapter A per LAC 33.III.5105.B.3.a.
- 9 [LAC 33.III.501.C.6]
- 10 [LAC 33.III.5105.B.3.a]

**EQT0208 12-97 Preheater H080C**

- 11 [LAC 33.III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

AI ID: 2049 - BASF Corp - Geismar Site

Activity Number: PER20080002

Permit Number: 2526-V3

Air - Title V Regular Permit Minor Mod

**EQT0208 12-97 Preheater H080C**

- 12 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average  
Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified
- 13 [LAC 33:III.1313.C] Nitrogen oxides: During preheater startups, the permitted emission limit for NOx is 3.0 max lb/hr. Permittee shall monitor the natural gas feed rate and oxygen concentration and record the duration and calculated emissions rate during these episodes.
- 14 [LAC 33:III.501.C.6] The combustion of Group 1 virgin fossil fuels is exempt from the requirements of LAC 33:III.Chapter 51, Subchapter A per LAC 33:III.5105.B.3.a.

**EQT0209 13-97 Preheater H080D**

- 16 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified
- 17 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average  
Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified
- 18 [LAC 33:III.1313.C] Nitrogen oxides: During preheater startups, the permitted emission limit for NOx is 3.0 max lb/hr. Permittee shall monitor the natural gas feed rate and oxygen concentration and record the duration and calculated emissions rate during these episodes.
- 19 [LAC 33:III.501.C.6] The combustion of Group 1 virgin fossil fuels is exempt from the requirements of LAC 33:III.Chapter 51, Subchapter A per LAC 33:III.5105.B.3.a.

**EQT0210 14-97 Preheater H080E**

- 21 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified
- 22 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average  
Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified
- 23 [LAC 33:III.1313.C]

**SPECIFIC REQUIREMENTS****AID: 2049 - BASF Corp - Geismar Site****Activity Number: PER20080002****Permit Number: 2526-V3****Air - Title V Regular Permit Minor Mod****EQT0210 14-97 Preheater H080E**

- 24 [LAC 33:III.501.C.6] Nitrogen oxides: During preheater startups, the permitted emission limit for NOx is 3.0 max lb/hr. Permittee shall monitor the natural gas feed rate and oxygen concentration and record the duration and calculated emissions rate during these episodes.  
The combustion of Group 1 virgin fossil fuels is exempt from the requirements of LAC 33:III.Chapter 51, Subchapter A per LAC 33:III.5105.B.3.a]

**EQT0211 15-97 Preheater H080F**

- 26 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
Nitrogen oxides: During preheater startups, the permitted emission limit for NOx is 3.0 max lb/hr. Permittee shall monitor the natural gas feed rate and oxygen concentration and record the duration and calculated emissions rate during these episodes.  
The combustion of Group 1 virgin fossil fuels is exempt from the requirements of LAC 33:III.Chapter 51, Subchapter A per LAC 33:III.5105.B.3.a.]

**EQT0212 16-97 Cracked Gas Flare FS 199A**

- 31 [LAC 33:III.1105] Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.  
Which Months: All Year Statistical Basis: None specified  
Submit notification: Due to the Office of Environmental Compliance as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:I.3923. Notification is required only if the upset cannot be controlled in six hours.  
Develop a corrective action plan for re-lighting the flare. Plan must be kept readily available for immediate implementation in the event the flare needs to be re-lit. (State-Only Requirement).  
Flare gas: During flaring events, Heat content > 300 BTU/scf, to ensure destruction of emissions to the flare stack. Heat content determined by engineering calculations. The engineering calculations shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. (State-Only Requirement).  
Which Months: All Year Statistical Basis: None specified  
Flare gas: Heat content recordkeeping by electronic or hard copy annually. (State-Only Requirement).  
Presence of a pilot flame monitored by a heat sensing device continuously. (State-Only Requirement)  
Which Months: All Year Statistical Basis: None specified.

**SPECIFIC REQUIREMENTS**

AI ID: 2049 - BASF Corp - Geismar Site  
 Activity Number: PER200B0002  
 Permit Number: 2526-V3  
 Air - Title V Regular Permit Minor Mod

**EQT0212 16-97 Cracked Gas Flare FS 199A**

37 [LAC 33:III.501.C.6]

Presence of a pilot flame recordkeeping by electronic or hard copy continuously. (State-Only Requirement).

**EQT0213 17-97 Cracked Gas Flare FS 199B**

38 [LAC 33:III.1105]

Opacity &lt;= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.

Which Months: All Year Statistical Basis: None specified

Submit notification: Due to the Office of Environmental Compliance as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:1.3923. Notification is required only if the upset cannot be controlled in six hours.

40 [LAC 33:III.501.C.6]

Develop a corrective action plan for re-lighting the flare. Plan must be kept readily available for immediate implementation in the event the flare needs to be re-lit. (State-Only Requirement).  
 Flare gas: During flaring events, Heat content > 300 BTU/scf, to ensure destruction of emissions to the flare stack. Heat content determined by engineering calculations. The engineering calculations shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. (State-Only Requirement).

Which Months: All Year Statistical Basis: None specified

Flare gas: Heat content recordkeeping by electronic or hard copy annually. (State-Only Requirement).

Presence of a pilot flame monitored by a heat sensing device continuously. (State-Only Requirement)

Which Months: All Year Statistical Basis: None specified

Presence of a pilot flame recordkeeping by electronic or hard copy continuously. (State-Only Requirement).

**EQT0214 18-97 Synthesis Gas Flare FS 399**

45 [LAC 33:III.1105]

Opacity &lt;= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.

Which Months: All Year Statistical Basis: None specified

Submit notification: Due to the Office of Environmental Compliance as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:1.3923. Notification is required only if the upset cannot be controlled in six hours.

46 [LAC 33:III.1105]

Develop a corrective action plan for re-lighting the flare. Plan must be kept readily available for immediate implementation in the event the flare needs to be re-lit. (State-Only Requirement).  
 Flare gas: During flaring events, Heat content > 300 BTU/scf, to ensure destruction of emissions to the flare stack. Heat content determined by engineering calculations. The engineering calculations shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. (State-Only Requirement).

Which Months: All Year Statistical Basis: None specified

Flare gas: Heat content recordkeeping by electronic or hard copy annually. (State-Only Requirement).

Presence of a pilot flame monitored by a heat sensing device continuously. (State-Only Requirement)

Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

AI ID: 2049 - BASF Corp - Geismar Site  
**Activity Number:** PER20080002  
**Permit Number:** 2526-V3  
**Air - Title V Regular Permit Minor Mod**

**EQT0214 18-97 Synthesis Gas Flare FS 399**

51 [LAC 33:III.501.C.6] Presence of a pilot flame recordkeeping by electronic or hard copy continuously. (State-Only Requirement).

**EQT0215 19-97 Acetylene Gas Flare FS 499**

52 [LAC 33:III.1105] Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.

Which Months: All Year Statistical Basis: None specified

Submit notification: Due to the Office of Environmental Compliance as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:I.3923. Notification is required only if the upset cannot be controlled in six hours.

54 [LAC 33:III.501.C.6] Develop a corrective action plan for re-lighting the flare. Plan must be kept readily available for immediate implementation in the event the flare needs to be re-lit. (State-Only Requirement).

Flare gas: During flaring events, Heat content > 300 BTU/scf, to ensure destruction of emissions to the flare stack. Heat content determined by engineering calculations. The engineering calculations shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. (State-Only Requirement).

Which Months: All Year Statistical Basis: None specified

Flare gas: Heat content recordkeeping by electronic or hard copy annually. (State-Only Requirement).

Presence of a pilot flame monitored by a heat sensing device continuously. (State-Only Requirement)

Which Months: All Year Statistical Basis: None specified

55 [LAC 33:III.501.C.6] Presence of a pilot flame recordkeeping by electronic or hard copy continuously. (State-Only Requirement).

**EQT0372 WW-1 Process Wastewater**

59 [40 CFR 60.770]

60 [LAC 33:III.2153]

NSPS Subpart YYY - SOCMI Wastewater, 40 CFR 60.770 is currently proposed. Wastewater streams shall comply when NSPS Subpart YYY is promulgated. Group 2 streams must comply with recordkeeping and requirements of of 40 CFR 60.781, 784, and 785. Subpart YYY. Wastewater streams are hard-piped to the Wastewater Treatment Plant (biological treatment unit) which is permitted under the Utilities Plant Title V operating permit where LAC 33:III.2153 applies.

**EQT0373 WW-2 Sooty Process Wastewater**

61 [40 CFR 60.770]

62 [LAC 33:III.2153]

NSPS Subpart YYY - SOCMI Wastewater, 40 CFR 60.770 is currently proposed. Wastewater streams shall comply when NSPS Subpart YYY is promulgated. Group 2 streams must comply with recordkeeping and requirements of of 40 CFR 60.781, 784, and 785. Subpart YYY. Wastewater streams are hard-piped to the Wastewater Treatment Plant (biological treatment unit) which is permitted under the Utilities Plant Title V operating permit where LAC 33:III.2153 applies.

**EQT0374 WW-3 Plant Sump Wastewater**

**SPECIFIC REQUIREMENTS**

**All ID:** 2049 - BASF Corp - Geismar Site  
**Activity Number:** PER20080002  
**Permit Number:** 2526-V3  
**Air - Title V Regular Permit Minor Mod**

**EQT0374 WW-3 Plant Sump Wastewater**

- NSPS Subpart YYY - SOCMI Wastewater, 40 CFR 60.770 is currently proposed. Wastewater streams shall comply when NSPS Subpart YYY is promulgated. Group 2 streams must comply with recordkeeping and requirements of 40 CFR 60.781, 784, and 785. Subpart YYY. Wastewater streams are hard-piped to the Wastewater Treatment Plant (biological treatment unit) which is permitted under the Utilities Plant Title V operating permit where LAC 33:III.2153 applies.

**FUG0013 24-97 Acetylene Plant Fugitives**

- 63 [40 CFR 60.482-1(a)] Demonstrate compliance with the requirements of 40 CFR 60.482-1 to 40 CFR 60.482-10 for all equipment within 180 days of initial startup.  
Subpart VV. [40 CFR 60.482-1(a)]
- 64 [LAC 33:III.2153] Pumps in light liquid service (no dual mechanical seal system): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks by the methods specified in 40 CFR 60.485(b). If an instrument reading of 5,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 60.482-2(c). Subpart VV. [40 CFR 60.482-2(a)(1), LAC 33:III.2122.A.6.b]
- 65 [40 CFR 60.482-1(a)] Which Months: All Year Statistical Basis: None specified Pumps in light liquid service (no dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 60.482-2(c). Subpart VV. [40 CFR 60.482-2(a)(2)]
- 66 [40 CFR 60.482-2(a)(1)] Which Months: All Year Statistical Basis: None specified Pumps in light liquid service (no dual mechanical seal system): When a leak is detected, make a first attempt at repair no later than 5 calendar days after each leak is detected and complete repairs no later than 15 calendar days after it is detected, except as provided in 40 CFR 60.482-9.  
Subpart VV. [40 CFR 60.482-2(c)]
- 67 [40 CFR 60.482-2(a)(2)] Pumps in light liquid service (dual mechanical seal system): Operate the seal system with the barrier fluid at a pressure that is greater than the pump stuffing box pressure; OR equip the seal system with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed vent system to a control device that complies with the requirements of 40 CFR 60.482-10; OR equip the seal system with a system that purges the barrier fluid into a process stream with zero VOC emissions to the atmosphere. Subpart VV. [40 CFR 60.482-2(d)(1)]
- 68 [40 CFR 60.482-2(c)] Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is in heavy liquid service or not in VOC service.  
Subpart VV. [40 CFR 60.482-2(d)(2)]
- 69 [40 CFR 60.482-2(d)(1)] Pumps in light liquid service (dual mechanical seal system): Equip each barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart VV. [40 CFR 60.482-2(d)(3)]
- 70 [40 CFR 60.482-2(d)(2)] Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 60.482-2(d)(6)(ii) and (iii). Subpart VV. [40 CFR 60.482-2(d)(4)]
- 71 [40 CFR 60.482-2(d)(3)] Which Months: All Year Statistical Basis: None specified Pumps in light liquid service (dual mechanical seal system): Equipment/operational data monitored by visual inspection/determination daily, or equip the sensor with an audible alarm. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in 40 CFR 60.482-2(d)(5)(ii), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 60.482-2(d)(6)(ii) and (iii). Subpart VV. [40 CFR 60.482-2(d)(5)(i)]
- 72 [40 CFR 60.482-2(d)(4)] Which Months: All Year Statistical Basis: None specified Pumps in light liquid service (dual mechanical seal system): Equipment/operational data monitored by visual inspection/determination daily, or equip the sensor with an audible alarm. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in 40 CFR 60.482-2(d)(5)(ii), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 60.482-2(d)(6)(ii) and (iii). Subpart VV. [40 CFR 60.482-2(d)(5)(i)]
- 73 [40 CFR 60.482-2(d)(5)(i)] Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

AI ID: 2049 - BASF Corp - Geismar Site  
 Activity Number: PER20080002  
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**FUG0013 24-97 Acetylene Plant Fugitives**

- 74 [40 CFR 60.482-2(d)(5)(ii)] Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart VV. [40 CFR 60.482-2(d)(5)(ii)]
- 75 [40 CFR 60.482-2(d)(6)] Pumps in light liquid service (dual mechanical seal system): When a leak is detected, make a first attempt at repair no later than 5 calendar days after each leak is detected and complete repairs no later than 15 calendar days after it is detected, except as provided in 40 CFR 60.482-9. Subpart VV. [40 CFR 60.482-2(d)(6)]
- 76 [40 CFR 60.482-2(e)(3)] Pumps in light liquid service (no detectable emissions): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Subpart VV. [40 CFR 60.482-2(e)(3)]
- Which Months: All Year Statistical Basis: None specified
- Pumps in light liquid service (unsafe-to-monitor): Demonstrate that the pump is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 60.482-2(a). Subpart VV. [40 CFR 60.482-2(g)(1)]
- 77 [40 CFR 60.482-2(g)(1)] Pumps in light liquid service (unsafe-to-monitor): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe to monitor times but not more frequently than the periodic monitoring schedule otherwise applicable, and repair of the equipment according to the procedures in 40 CFR 60.482-2(c) if a leak is detected. Subpart VV. [40 CFR 60.482-2(g)(2)]
- Which Months: All Year Statistical Basis: None specified
- Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Subpart VV. [40 CFR 60.482-2(h)]
- Which Months: All Year Statistical Basis: None specified
- Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of VOC to the atmosphere, except as specified in 40 CFR 60.482-(c) and 40 CFR 60.482-3(h) and (i). Subpart VV. [40 CFR 60.482-3(a)]
- Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip the seal system with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed vent system to a control device that complies with the requirements of 40 CFR 60.482-10; or equip the seal system with a system that purges the barrier fluid into a process stream with zero VOC emissions to the atmosphere. Subpart VV. [40 CFR 60.482-3(b)]
- Compressors: Ensure that the barrier fluid is in heavy liquid service or not in VOC service. Subpart VV. [40 CFR 60.482-3(c)]
- 81 [40 CFR 60.482-3(b)] Compressors: Equip each barrier fluid system as described in 40 CFR 60.482-3(a) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart VV. [40 CFR 60.482-3(d)]
- Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm. If the sensor indicates failure of the seal system, the barrier system, or both based on the criterion determined under 40 CFR 60.482-3(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 60.482-3(g). Subpart VV. [40 CFR 60.482-3(e)(1)]
- Which Months: All Year Statistical Basis: None specified
- Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart VV. [40 CFR 60.482-3(e)(2)]
- 84 [40 CFR 60.482-3(e)(1)] Compressors: When a leak is detected, make a first attempt at repair no later than 5 calendar days after each leak is detected and complete repairs no later than 15 calendar days after it is detected, except as provided in 40 CFR 60.482-9. Subpart VV. [40 CFR 60.482-3(g)]
- 85 [40 CFR 60.482-3(e)(2)]
- 86 [40 CFR 60.482-3(g)]

**SPECIFIC REQUIREMENTS****AI ID: 2049 - BASF Corp - Geismar Site****Activity Number: PER20080002****Permit Number: 2526-V3****Air - Title V Regular Permit Minor Mod****FUG0013 24-97 Acetylene Plant Fugitives**

- 87 [40 CFR 60.482-3(i)(2)] Compressors (no detectable emissions): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Subpart VV. [40 CFR 60.482-3(i)(2)]
- Which Months: All Year Statistical Basis: None specified
- Pressure relief devices in gas/vapor service: VOC, Total < 500 ppm above background, except during pressure releases, as determined by the methods specified in 40 CFR 60.485(c). Subpart VV. [40 CFR 60.482-4(a)]
- Which Months: All Year Statistical Basis: None specified
- Pressure relief devices in gas/vapor service: After each pressure release, return to a condition of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 60.482-9. Subpart VV. [40 CFR 60.482-4(b)(1)]
- Pressure relief devices in gas/vapor service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after a pressure release, to confirm the conditions of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as specified in 40 CFR 60.485(c). Subpart VV. [40 CFR 60.482-4(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 60.482-9. Subpart VV. [40 CFR 60.482-4(d)(2)]
- Sampling connection systems: Equip with a closed-purged, closed-loop, or closed-vent system, except as provided in 40 CFR 60.482-1(c).
- Operate the system as specified in 40 CFR 60.482-5(a) and (b). Subpart VV.
- Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 60.482-1(c). The cap, blind flange, plug, or second valve shall seal the open end at all times except during operations requiring process fluid flow through the open-ended valve or line. Operate each open-ended valve or line equipped with a second valve such that the valve on the process fluid end is closed before the second valve is closed. The bleed valve or line may remain open during operations requiring venting the line between the block valves of a double block-and-bleed system, but shall comply with 40 CFR 60.482-6(a) at all other times. Subpart VV.
- Valves in gas/vapor service and in light liquid service: When a leak is detected, make a first attempt at repair no later than 5 calendar days after each leak is detected and complete repairs no later than 15 calendar days after it is detected, except as provided in 40 CFR 60.482-9. Subpart VV. [40 CFR 60.482-7(d)]
- Valves in gas/vapor service and in light liquid service (no detectable emissions): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Subpart VV. [40 CFR 60.482-7(f)(3)]
- Which Months: All Year Statistical Basis: None specified
- Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 60.482-7(a). Subpart VV. [40 CFR 60.482-7(g)(1)]
- Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Adhere to a written plan that requires monitoring of the valve as frequently as practicable during safe to monitor times. Subpart VV. [40 CFR 60.482-7(g)(2)]
- Which Months: All Year Statistical Basis: None specified
- Valves in gas/vapor service and in light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface. Subpart VV. [40 CFR 60.482-7(h)(1)]

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99 [40 CFR 60.482-7(h)(3)]

Valves in gas/vapor service and in light liquid service (difficult-to-monitor): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually. Follow a written plan that requires monitoring of the valve at least once per calendar year. Subpart VV. [40 CFR 60.482-7(h)(3)]

Which Months: All Year Statistical Basis: None specified

Valves in gas/vapor service and in light liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks by the methods specified in 40 CFR 60.485(b). Permittee may elect to comply with the alternate standards in 40 CFR 60.482-7(c), 60.483-1, or 60.483-2. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 60.482-7(d). Subpart VV. [40 CFR 60.482-7, LAC 33:III.2122.A.6.b]

Which Months: All Year Statistical Basis: None specified

Pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and connectors: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) by the method specified in 40 CFR 60.485(b), if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method and comply with the requirements of 40 CFR 60.482-8(b) through (d); OR eliminate the indication of a leak. If an instrument reading of 5,000 ppm or greater is measured for pumps, or 1,000 ppm or greater for valves, connectors, and pressure relief devices, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 60.482-8(c). Subpart VV. [40 CFR 60.482-8(a), LAC 33:III.2122.A.6.b]

Which Months: All Year Statistical Basis: None specified

Pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and connectors: When a leak is detected, make a first attempt at repair no later than 5 calendar days after each leak is detected and complete repairs no later than 15 calendar days after it is detected, except as provided in 40 CFR 60.482-9. Subpart VV. [40 CFR 60.482-8(c)]

In conducting the performance tests required in 40 CFR 60.8, use as reference methods and procedures the test methods in Appendix A of Part 60 or other methods and procedures as specified in 40 CFR 60.485, except as provided in 40 CFR 60.8(b). Conduct any other required demonstrations using the test methods and procedures outlined. Subpart VV.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Record and maintain records as specified 40 CFR 60.486(a) through (k). Subpart VV.

Submit notification: Due 90 days before implementing either of the alternative standards contained in 40 CFR 60.483-1 or 60.483-2. Notify DEQ of the provision selected. Subpart VV. [40 CFR 60.487(g)]

Submit performance test results: Due in accordance with 40 CFR 60.8 of the General Provisions. Subpart VV. [40 CFR 60.487(e)]

Submit semiannual report: Due semiannually to DEQ beginning six months after the initial startup date. Submit the information specified in 40 CFR 60.487(b) and (c). Subpart VV.

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

To be exempt from the requirements of LAC 33:III.2122, the permittee shall comply with the requirements of 40 CFR 60.480 through 489 of Subpart VV and the requirements of LAC 33:III.2122.A.6 through d, as applicable.

**GRP0046 ACECAP01 Acetylene Plant Emissions Cap**

Group Members: EQT0206 EQT0207 EQT0208 EQT0209 EQT0210 EQT0211 EQT0212 EQT0213 EQT0214 EQT0215

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**GRP0046 ACECAP01 Acetylene Plant Emissions Cap**

110 [LAC 33.III.501.C.6] NOx emissions shall be calculated and recorded each month, as well as the flare operating time for the last 12 months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. A report showing the monthly NOx emissions from the heaters and flares, as well as the total NOx emissions from the heaters and flares for the last six 12-month periods, shall be submitted to the Office of Environmental Compliance, Enforcement Division semiannually. Nitrogen oxides recordkeeping by electronic or hard copy semiannually.

111 [LAC 33.III.501.C.6] Nitrogen oxides: Natural gas feed rate and oxygen content will be monitored and recorded continuously so as to maintain these parameters within ranges approved by LDEQ (see Appendix B.2 of Part 70 Permit Application dated April 5, 2005). Corresponding NOx emissions, calculated on a monthly basis, shall be reported to LDEQ semi-annually.

Note: During preheater startups, the permittee may operate temporarily outside of the abovementioned parameter ranges provided that the monitoring requirements stated in this permit condition are complied with during the startups and that operation of the preheaters within the abovementioned parameter ranges shall be attained as quickly as possible. The semi-annual report shall include the number of startups and the calculated startup emissions.

112 [LAC 33.III.501.C.6] Nitrogen oxides: Permittee shall maintain maximum NOx emissions from the Acetylene Plant at 36.25 tons/year which is below the PSD significance level of 40 tons/year.

**UNF0005 Acetylene Plant**

113 [40 CFR 60.] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.

114 [40 CFR 61.145(b)(1)] Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies.

115 [40 CFR 61.148] Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)] Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.

116 [40 CFR 61.342(c)] Comply with the requirements of 40 CFR 61.342(c) through (h) no later than 90 days following the effective date, unless a waiver of compliance has been obtained under 40 CFR 61.11, or by the initial startup for a new source with an initial startup after the effective date. Subpart FF. [40 CFR 61.342(b)]

117 [40 CFR 61.342(c)(1)(i)] Waste streams containing benzene: Remove or destroy the benzene contained in the waste using a treatment process or wastewater treatment system that complies with the standards specified in 40 CFR 61.348. Subpart FF. [40 CFR 61.342(c)(1)(i)]

118 [40 CFR 61.355] Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.

119 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.

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- 120 [40 CFR 61.357(a)]  
 Submit report: Due within 90 days after January 7, 1993. Submit a report that summarizes the regulatory status of each waste stream subject to 40 CFR 61.342 and is determined by the procedures specified in 40 CFR 61.355(c) to contain benzene. Include the information specified in 40 CFR 61.357(a)(1) through (a)(4). If there is no benzene onsite in wastes, products, by-products, or intermediates, submit an initial report that is a statement to this effect. Subpart FF. [40 CFR 61.357(a)]
- 121 [40 CFR 61.357(d)(1)]  
 Submit report: Due within 90 days after January 7, 1993. Submit a certification that the equipment necessary to comply with 40 CFR 61 Subpart FF has been installed and that the required initial inspections or tests have been carried out in accordance with 40 CFR 61 Subpart FF.
- 122 [40 CFR 61.357(d)(1)]  
 Subpart FF. [40 CFR 61.357(d)(1)]  
 Submit report: Due annually, beginning on the date that equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(d)(2)]
- 123 [40 CFR 61.357(d)(6)]  
 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
- 124 [40 CFR 61.357(d)(7)]  
 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
- 125 [40 CFR 61.357(d)(8)]  
 Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 126 [40 CFR 61.]  
 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
- 127 [40 CFR 68.]  
 All affected facilities shall comply with applicable provisions of 40 CFR 68.
- 128 [40 CFR 70.5(a)(1)(iii)]  
 Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 129 [40 CFR 70.6(a)(3)(iii)(A)]  
 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 130 [40 CFR 70.6(a)(3)(iii)(B)]  
 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]

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- 131 [40 CFR 70.6(c)(5)(iv)] Submit Title V compliance certification. Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)] Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVCs) in Subpart B.
- 132 [40 CFR 82 Subpart F] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 133 [LAC 33:III.1103] Outdoor burning of waste material or other combustible material is prohibited.
- 134 [LAC 33:III.1109.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 135 [LAC 33:III.1303.B] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 136 [LAC 33:III.2113.A] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 137 [LAC 33:III.219] Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene. (State Only).
- 138 [LAC 33:III.501.C.6] Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only).
- 139 [LAC 33:III.501.C.6] Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III. Chapter 51. Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III. Chapter 51. Subchapter A, after the effective date of the standard.
- 140 [LAC 33:III.5105.A.1] Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.B.
- 141 [LAC 33:III.5105.A.2] Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- 142 [LAC 33:III.5105.A.3] Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.
- 143 [LAC 33:III.5105.A.4] Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
- 144 [LAC 33:III.5107.A.2] Submit Annual Emissions Report (TEDI): Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
- 145 [LAC 33:III.5107.A]

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- 146 [LAC 33.III.5107.B.1] Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- 147 [LAC 33.III.5107.B.2] Submit notification: Due to SPOC, except as provided in LAC 33.III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33.III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33.I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33.I.3923.
- 148 [LAC 33.III.5107.B.3] Submit notification: Due to SPOC, except as provided in LAC 33.III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33.I.3931.
- 149 [LAC 33.III.5107.B.4] Submit notification in the manner provided in LAC 33.I.3923.
- 150 [LAC 33.III.5107.B.5] Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33.III.5107.B.1 through B.3. Include the information specified in LAC 33.III.5107.B.4.i through B.4.viii. Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- 151 [LAC 33.III.5113.A.1] Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.
- 152 [LAC 33.III.5113.A.2] Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.
- 153 [LAC 33.III.5151.F.1.f] An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33.III.5151.F.2 and F.3 for each demolition or renovation activity.
- 154 [LAC 33.III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33.III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.
- 155 [LAC 33.III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33.III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
- 156 [LAC 33.III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33.III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.
- 157 [LAC 33.III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.
- 158 [LAC 33.III.5901.A] Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33.III.5611.Tables 5, 6, and 7. Comply with the provisions in 40 CFR 68, except as specified in LAC 33.III.5901.

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Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.

Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Office of Environmental Compliance.

Submit amended registration: Due to the Office of Environmental Compliance within 60 days after the information in the submitted registration is no longer accurate.

Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.

159 [LAC 33:III.5907]

160 [LAC 33:III.5911.A]

161 [LAC 33:III.5911.C]

162 [LAC 33:III.919.D]